

Claims

[1] A multi-layer thermoformable, translucent pharmaceutical and food packaging film consisting of a core layer of 100 to 1000 microns thickness of food grade poly vinyl chloride [PVC], devoid of plasticizers having vinyl monomer less than 1 ppm and a global migration of additives less than 60 ppm; and a metallized layer of thickness 0.02 to 2 microns provided at least on one side of the said core layer and at least one 0 to 250 microns thick food and pharmaceutical grade polymeric layer provided at least on one side of the core layer.

[2] A multi-layer thermoformable, translucent pharmaceutical and food packaging film of claim 1, in which the polymeric layer is provided on the PVC core layer non metallized side.

[3] A multi-layer thermoformable, translucent pharmaceutical and food packaging film as claimed in claim 1, in which the polymeric layer is provided on the PVC core layer metallized side.

[4] A multi-layer thermoformable, translucent pharmaceutical and food packaging film as claimed in claim 1, in which the metallized layer is formed on the core layer.

[5] A multi-layer thermoformable, translucent pharmaceutical and food packaging film as claimed in claim 1, in which the metallized layer is applied on the core layer.

[6] A multi-layer thermoformable, translucent pharmaceutical and food packaging film as claimed in claim 1, in which the metallized layer is formed on the core layer by vacuum deposition.

[7] A multi-layer thermoformable, translucent pharmaceutical and food packaging film as claimed in claim 1, in which the metallized layer consists of aluminum.

[8] A multi-layer thermoformable, translucent pharmaceutical and food packaging film as claimed in claim 1, in which the polymeric layer is formed on the metallized layer.

[9] A multi-layer thermoformable, translucent pharmaceutical and food packaging film as claimed in claim 1, in which the polymeric layer is formed on the PVC core layer on the non metallized side.

[10] A multi-layer thermoformable, translucent pharmaceutical and food packaging film as claimed in claim 1, in which the polymeric layer is applied on the metallized layer.

[11] A multi-layer thermoformable, translucent pharmaceutical and food packaging film as claimed in claim 2, in which the polymeric layer is applied on the PVC core layer on the non metallized side.

[12] A multi-layer thermoformable, translucent pharmaceutical and food packaging film as claimed in claim 2, in which the polymer layer is a

layer of Polyvinylidene chloride (PVdC) of thickness from 0.01 micron to 100 microns.

[13] A multi-layer thermoformable, translucent pharmaceutical and food packaging film as claimed in claim 1, in which the metallized layer is composite film of thickness 10 to 100 microns, consisting of a polymeric layer and a metallized layer of thickness 0.02 to 1 micron, which composite film is laminated on the core layer.

[14] A multi-layer thermoformable, translucent pharmaceutical and food packaging film as claimed in claim 1, in which the metallized layer is composite film of thickness 10 to 100 microns, consisting of a PVC layer and a metallized layer of thickness 0.02 to 1 micron, which composite film is laminated on the core layer.

[15] A multi-layer thermoformable, translucent pharmaceutical and food packaging film as claimed in claim 1, in which the metallized layer is composite film of thickness 10 to 100 microns, consisting of a cast polypropylene layer and a metallized layer of thickness 0.02 to 1 micron, which composite film is laminated on the core layer.

[16] A multi-layer thermoformable, translucent pharmaceutical and food packaging film as claimed in claim 2, in which the polymer layer is a layer of an Olefins (LDPE, HDPE) of thickness 0.5 micron to 50 microns.

[17] A multi-layer thermoformable, translucent pharmaceutical and food packaging film as claimed in claim 2, in which the polymer layer is a layer of Cyclic-olefin copolymer (COC) of thickness 0.01 to 250 microns.

[18] A multi-layer thermoformable, translucent pharmaceutical and food packaging film as claimed in claim 1, in which the at least one polymeric layer provided is laminated over the metallized layer using a tie layer of PVdC.

[19] A multi-layer thermoformable, translucent pharmaceutical and food packaging film as claimed in claim 1, in which the film is provided with a coating of silicone on at least one side of the film.

[20] A multi-layer thermoformable, translucent pharmaceutical and food packaging film as claimed in claim 1, which further includes at least one colored lacquer layer of thickness 0.02 to 50 micron.

[21] A multi-layer thermo-formable translucent film as claimed in claim 1, in which the polymer layer is cast metallized PVC .